Health Canada Santé Canada

Your health and safety... our priority. *Votre santé et votre sécurité... notre priorité.*

Established Maximum Residue Limit EMRL2011-11

Flumioxazin

(publié aussi en français)

18 March 2011

This document is published by the Health Canada Pest Management Regulatory Agency. For further information, please contact:

Publications
Pest Management Regulatory Agency
Health Canada
2720 Riverside Drive
A.L. 6604-E2
Ottawa, Ontario K1A 0K9

Internet: pmra.publications@hc-sc.gc.ca
healthcanada.gc.ca/pmra
Facsimile: 613-736-3758
Information Service:
1-800-267-6315 or 613-736-3799
pmra.infoserv@hc-sc.gc.ca

Canada

ISSN: 1925-0819 (print)
1925-0827 (online)

Catalogue number: HH13-29/2011-1IE (print version)
HH13-29/2011-1IE-PDF (PDF version)

© Her Majesty the Queen in Right of Canada, represented by the Minister of Health Canada, 2011

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.

Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has granted conditional registration to technical grade flumioxazin and the end-use product Flumioxazin 51WDG Herbicide for use in Canada on pome fruits (Crop Group 11), stone fruits (Crop Group 12), asparagus, dry bulb onions, grapes, highbush blueberries, potatoes, soybeans and strawberries. The specific uses approved in Canada are detailed on the product label of Flumioxazin 51WDG Herbicide, *Pest Control Products Act* Registration Number 29235.

Corresponding maximum residue limits (MRLs) were proposed in the consultation document published on 17 June 2010, Proposed Maximum Residue Limit PMRL2010-26, *Flumioxazin*. Appendix I includes a summary of comments received during the consultation via the PMRL and the PMRA's response to these comments.

To comply with Canada's international trade obligations, consultation on the proposed MRLs was also conducted internationally by notifying the World Trade Organization, as coordinated by the Standards Council of Canada. No comments were received as a result of the World Trade Organization consultation.

The comments received did not impact the MRLs which are established as proposed in PMRL2010-26.

The following MRLs take legal effect as of the publication date of this document.

Established Maximum Residue Limits for Flumioxazin

Common Name	Residue Definition	MRL (ppm)	Food Commodity
Flumioxazin	2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2*H*-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1*H*-isoindole-1,3(2*H*)-dione	0.07	Low growing berries (Crop Subgroup 13-07G)
		0.02	Tuberous and corm vegetables (Crop Subgroup 1C), bulb onions (Crop Subgroup 3-07A), pome fruits (Crop Group 11), stone fruits (Crop Group 12), bushberries (Crop Subgroup 13-07B; except lowbush blueberries), small fruits vine climbing except fuzzy kiwifruit (Crop Subgroup 13-07F), asparagus, dry soybeans

MRLs are established for each commodity included in the listed crop groupings in accordance with Appendix II.

A complete list of all pesticide MRLs established in Canada can be found on the Maximum Residue Limits for Pesticides webpage in the Pesticides and Pest Management section of Health Canada's website.

Appendix I

Comments and PMRA Responses

Comment:

Lowbush blueberries are included in both the bushberry (Crop Subgroup 13-07B) and low growing berry (Crop Subgroup 13-07G) subgroups under the berry and small fruit crop group.

PMRL2010-26 included lowbush blueberries under the MRL proposed for low growing berries rather than under the bushberries MRL. As a result, the 0.07 ppm Canadian MRL proposed for lowbush blueberries in Canada differs from the 0.02 ppm tolerance established in the United States. The PMRA received six sets of comments requesting that the proposed MRL for lowbush blueberries be harmonized with the American tolerance given concerns regarding trade implications resulting from the differing MRL/tolerance.

PMRA Response:

In support of the domestic registration for flumioxazin, supervised field trial data for highbush blueberries and strawberries were reviewed in which crops were treated at rates equivalent to, or greater than, the anticipated label rates. Based on the results of the supervised field trials, MRLs were recommended at 0.02 ppm for highbush blueberries and 0.07 ppm for strawberries. As highbush blueberries and strawberries are identified as representative commodities for the bushberry and low growing berry crop subgroups, respectively, the proposed MRLs were extended to the remaining crops within these subgroups. As lowbush blueberries are included in both subgroups, residue data can be extended from either crop in order to determine the anticipated residues in lowbush blueberries. The use patterns for highbush blueberries and strawberries differed, and there was no proposed use for flumioxazin on lowbush blueberries, so it was not possible to determine which of the two representative crops was most appropriate to predict anticipated residues in lowbush blueberries. Therefore, the higher of the two proposed MRLs was extended to lowbush blueberries.

As there is currently no registered use for flumioxazin in Canada on lowbush blueberries, there are no anticipated barriers to international trade for this commodity, and the Agency does not consider it appropriate to revise the proposed MRL at this time.

Appendix II

Crop Groups: Numbers and Definitions

Crop Group		Crop Subgroup		Food Commodities Included in the Crop Group or Subgroup
No.	Name	No.	Name	
1	Root and tuber vegetables	1C	Tuberous and corm vegetables	Arracacha Arrowroot Cassava roots Chayote roots Chinese artichokes Chufa Edible canna Ginger roots Jerusalem artichokes Lerens Potatoes Sweet potato roots Tanier corms Taro corms True yam tubers Turmeric roots Yam bean roots
3-07	Bulb vegetables	3-07A	Bulb onion	Chinese onions Daylilies Dry bulb onions Fritillaria bulbs Garlic Great headed garlic Lilies Pearl onions Potato onions Serpent garlic Shallot bulbs
11	Pome fruits			Apples Crabapples Loquats Mayhaws Oriental pears Pears Quinces

Crop Group		Crop Subgroup		Food Commodities Included in the Crop Group or Subgroup
No.	Name	No.	Name	
12	Stone fruits			Apricots Nectarines Peaches Plumcots Plums Prune plums Sweet cherries Tart cherries
13-07	Berry and small fruit	13-07B	Bushberry*	Aronia berries Buffalo currants Chilean guavas Currants (red and black) Elderberries European barberry Gooseberries Highbush blueberries Highbush cranberries Honeysuckle Huckleberries Jostaberries Lingonberries Native currants Salal berries Saskatoon berries (juneberries) Sea buckthorn
13-07	Berry and small fruit	13-07F	Small fruit vine climbing, except fuzzy kiwifruit	Amur river grapes Gooseberries Grapes Hardy kiwifruit Maypop Schizandra berries
13-07	Berry and small fruit	13-07G	Low growing berry	Bearberries Bilberries Cloudberries Cranberries Lingonberries Lowbush blueberries Muntries Partridgeberries Strawberries

*Lowbush blueberries are excluded from the bushberries MRL as they are covered by the MRL established for low growing berries (Crop Subgroup 13-07G).